OVAL GEAR TOTALIZER FOR VISCOUS LIQUIDS

FPDM3000 Series

1 YEAR WARRANTY

- **Aluminum or Stainless Body**
- **Higher Temperatures up to 120°C (248°F) ("-HT" Option)**
- **NPT or BSP Threads**
- **DIN, JIS or ANSI Connections (1" and Larger Sizes)**

FPDM3004 shown smaller than actual size.

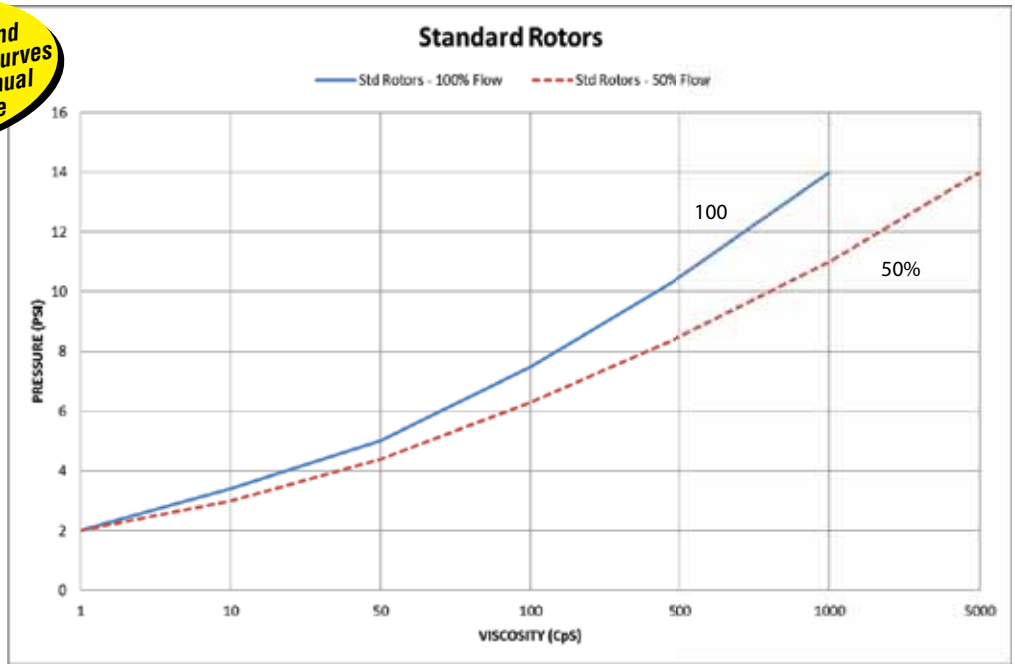
The FPDM3000 Series positive displacement oval gear flow meters are affordable and accurate. One primary feature is the ability to maintain consistent accuracy despite changing viscosity conditions. The meter's solid construction and excellent dynamic response are well suited to the measurement of many viscous fluids. Three choices of wetted material combinations are available for compatibility with a large variety of liquids. Since there is no need for straight run piping upstream or downstream of the flow meter, the FPDM3000 flow meters are simple to use and to install. The meter has good resolution and high accuracy at low flow rates.

SPECIFICATIONS

Accuracy: ±1% of reading
Repeatability: ±0.03%
Fitting Type
NPT: Female
BSP: "-BSP" option
DIN: "-DIN" option
JIS: "-JIS" option
ANSI: "-ANSI" option
Total: Resettable
Accumulated-Total: Non-resettable

Minimum Viscosity: 1cPs
Maximum Viscosity: 1000 cPs standard
Strainer Size: 200 mesh (74µ)
Mounting: Shafts must be in a horizontal plane
Mounting: Pipe
Liquid Temperature: -40 to 80°C (-40 to 176°F); -40 to 120°C (-40 to 248°F) ("-HT" option)
Maximum Pressure: 3400 kPa (500 psi)

For Dimensional Drawings, Weight and (-HV) Pressure Drop Curves See Operator's Manual Available Online



Wetted Parts

Part	FPDM3000	FPDM3200	FPDM3300
Meter Body	Aluminum	Stainless Steel 316	Aluminum
Rotor Shafts	Stainless Steel 316	Stainless Steel 316	Stainless Steel 316
Rotors-Standard	Polyphenylene Sulfide	Polyphenylene Sulfide	Stainless Steel 316
Rotors-High Temperature	—	Stainless Steel 316	—
Rotors-High Viscosity	—	Stainless Steel 316	Stainless Steel 316
Rotor Brushes	—	Carbon	Carbon
Meter Cap	Aluminum	Stainless Steel 316	Aluminum
Gear Assembly	Stainless Steel 316-Acetal	Stainless Steel 316-Acetal	Stainless Steel 316-Acetal
Cover Plate	Stainless Steel 316	Stainless Steel 316	Stainless Steel 316
Output Gear-Shaft Assembly	Stainless Steel 316-FKM-Acetal	Stainless Steel 316-FKM-Acetal	Stainless Steel 316-FKM-Acetal
O-Rings	FKM	FEP/PTFE Encapsulated	FEP/PTFE Encapsulated

To Order

Model No.	Port Size	Flow Range	
		<5cPs	>5cPs
FPDM3004	½"	3 to 25 LPM (0.8 to 6.6 GPM)	2 to 30 LPM (0.5 to 8 GPM)
FPDM3204	½"	3 to 25 LPM (0.8 to 6.6 GPM)	2 to 30 LPM (0.5 to 8 GPM)
FPDM3005	1"	10 to 100 LPM (2.6 to 26 GPM)	6 to 120 LPM (1.6 to 32 GPM)
FPDM3205	1"	10 to 100 LPM (2.6 to 26 GPM)	6 to 120 LPM (1.6 to 32 GPM)
FPDM3305	1"	10 to 100 LPM (2.6 to 26 GPM)	6 to 120 LPM (1.6 to 32 GPM)
FPDM3006	1½"	15 to 235 LPM (4 to 62 GPM)	10 to 250 LPM (2.6 to 66 GPM)
FPDM3206	1½"	15 to 235 LPM (4 to 62 GPM)	10 to 250 LPM (2.6 to 66 GPM)
FPDM3306	1½"	15 to 235 LPM (4 to 62 GPM)	10 to 250 LPM (2.6 to 66 GPM)
FPDM3007	2"	15 to 500 LPM (4 to 130 GPM)	16 to 500 LPM (4 to 130 GPM)
FPDM3207	2"	15 to 500 LPM (4 to 130 GPM)	16 to 500 LPM (4 to 130 GPM)
FPDM3307	2"	15 to 500 LPM (4 to 130 GPM)	16 to 500 LPM (4 to 130 GPM)

*For units with BSP connections add **"-BSP"** to the model number no additional charge.*
*For units with DIN flanges add **"-DIN"** to the model number for an additional charge.*
*For units with JIS flanges add **"-JIS"** to the model number for an additional charge.*
*For units with ANSI flanges add **"-ANSI"** to the model number for an additional charge.*
*For units that totalize in liters add **"-L"** to the model number, no additional cost.*
*For FPDM3200/FPDM3300 units with high viscosity rotors add **"-HV"** to the model number for an additional charge.*
*For FPDM3200 units made for higher temperatures add **"-HT"** to the model number for an additional charge.*